

JAMAICA ENERGY STATISTICS 2022

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TABLE 1. TOTAL PETROLEUM IMPORTS

Units: Bbls

2018-2022

Importer Grouping	2018		2019		2020		2021		2022p	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
	(Bls)	(US\$)	(Bls)	(US\$)	(Bls)	(US\$)	(Bls)	(US\$)	(Bls)	(US\$)
REFINERY										
<i>Crude</i>	7,452,579	516,496,439	9,568,843	617,574,942	7,977,310	380,099,717	8,186,366	580,889,967	7,118,678	728,222,217
<i>Refined Products</i>	6,494,156	510,040,175	6,330,528	457,805,461	3,349,146	168,693,852	4,614,523	386,173,118	5,938,900	828,015,340
<i>Ethanol</i>	333,758	23,834,719	391,658	30,057,211	336,755	22,128,278	352,277	36,977,637	411,154	46,356,081
<i>Sub - Total</i>	14,280,493	1,050,371,333	16,291,029	1,105,437,614	11,663,211	570,921,848	13,153,166	1,004,040,721	13,468,732	1,602,593,637
MARKETING COMPANIES										
<i>Refined Products</i>	4,702,409	397,800,724	4,643,855	352,830,328	3,225,661	214,705,877	3,174,467	266,216,120	3,921,679	553,631,536
<i>Ethanol</i>	65,079	8,877,534	22,704	2,582,022	88,435	9,280,209	229,491	28,110,304	137,769	20,179,195
<i>Sub - Total</i>	4,767,488	406,678,258	4,666,559	355,412,350	3,314,096	223,986,086	3,403,958	294,326,425	4,059,449	573,810,731
BAUXITE COMPANIES										
<i>Bunker C</i>	1,253,126	80,329,056	902,596	46,499,679	1,248,180	38,583,484	858,899	46,843,164	1,264,737	85,891,918
<i>Low Vanadium</i>	1,973,188	122,777,034	2,079,050	111,642,032	1,252,695	47,764,731	599,189	33,079,091	129,393	9,971,709
<i>Sub - Total</i>	3,226,314	203,106,090	2,981,646	158,141,711	2,500,875	86,348,215	1,458,088	79,922,255	1,394,130	95,863,627
NON-BAUXITE TOTAL	19,047,981	1,457,049,591	20,957,588	1,460,849,964	14,977,307	794,907,934	16,557,124	1,298,367,145	17,528,181	2,176,404,368
TOTAL Petroleum	22,274,295	1,660,155,681	23,939,234	1,618,991,674	17,478,182	881,256,149	18,015,213	1,378,289,400	18,922,311	2,272,267,995
Natural Gas	1,438,710	88,378,360	1,930,682	108,533,877	4,163,508	192,731,825	4,284,843	241,493,696	4,034,378	392,314,122
Grand Total	23,713,005	1,748,534,041	25,869,916	1,727,525,551	21,641,689	1,073,987,974	22,300,056	1,619,783,096	22,956,689	2,664,582,117

SOURCE: Petrojam, Marketing Companies and Bauxite Companies

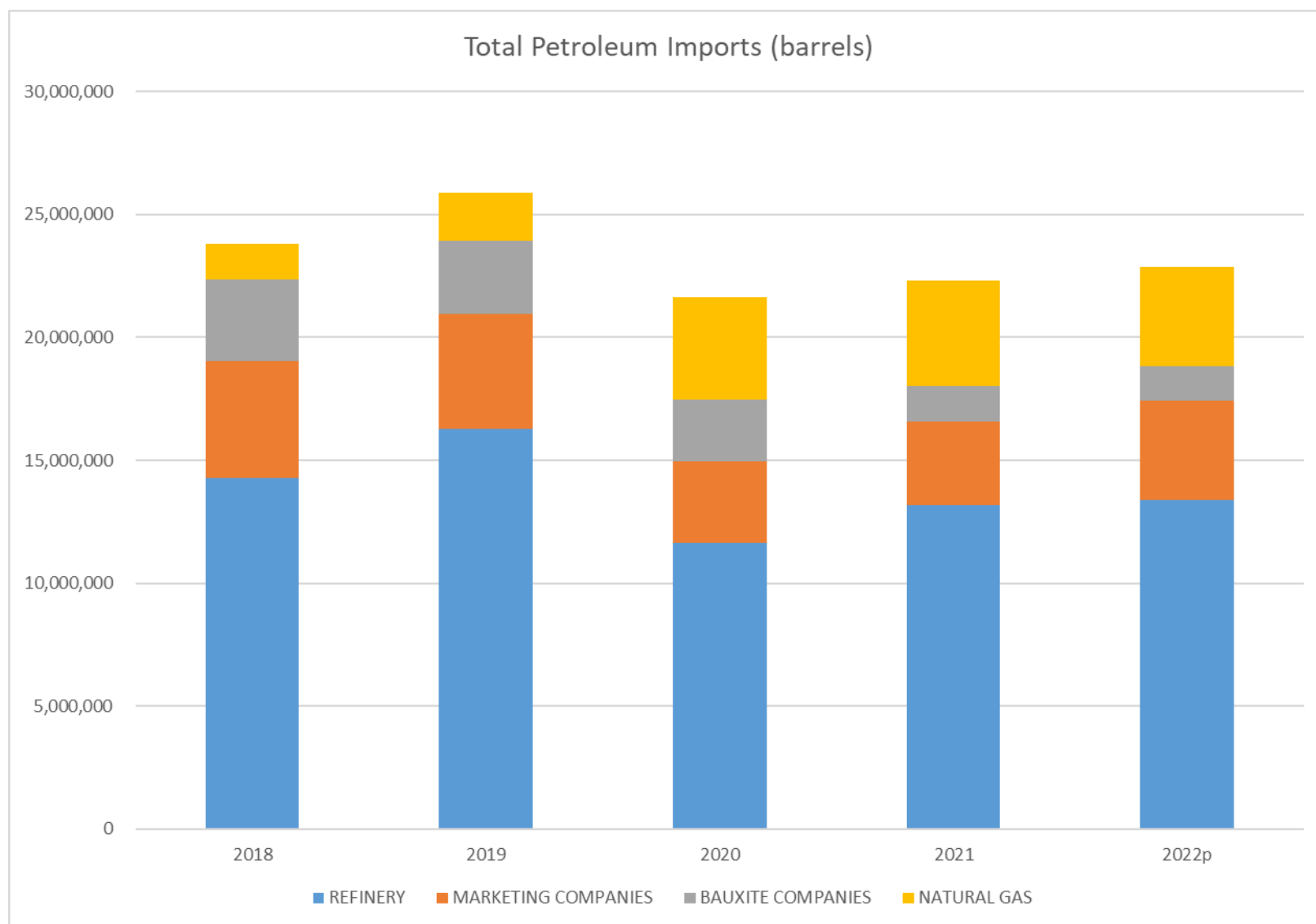
Note:

p - preliminary

r= revised

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TABLE 2. PETROLEUM CONSUMPTION BY ACTIVITY

2018 - 2022

(Units: BBLS)

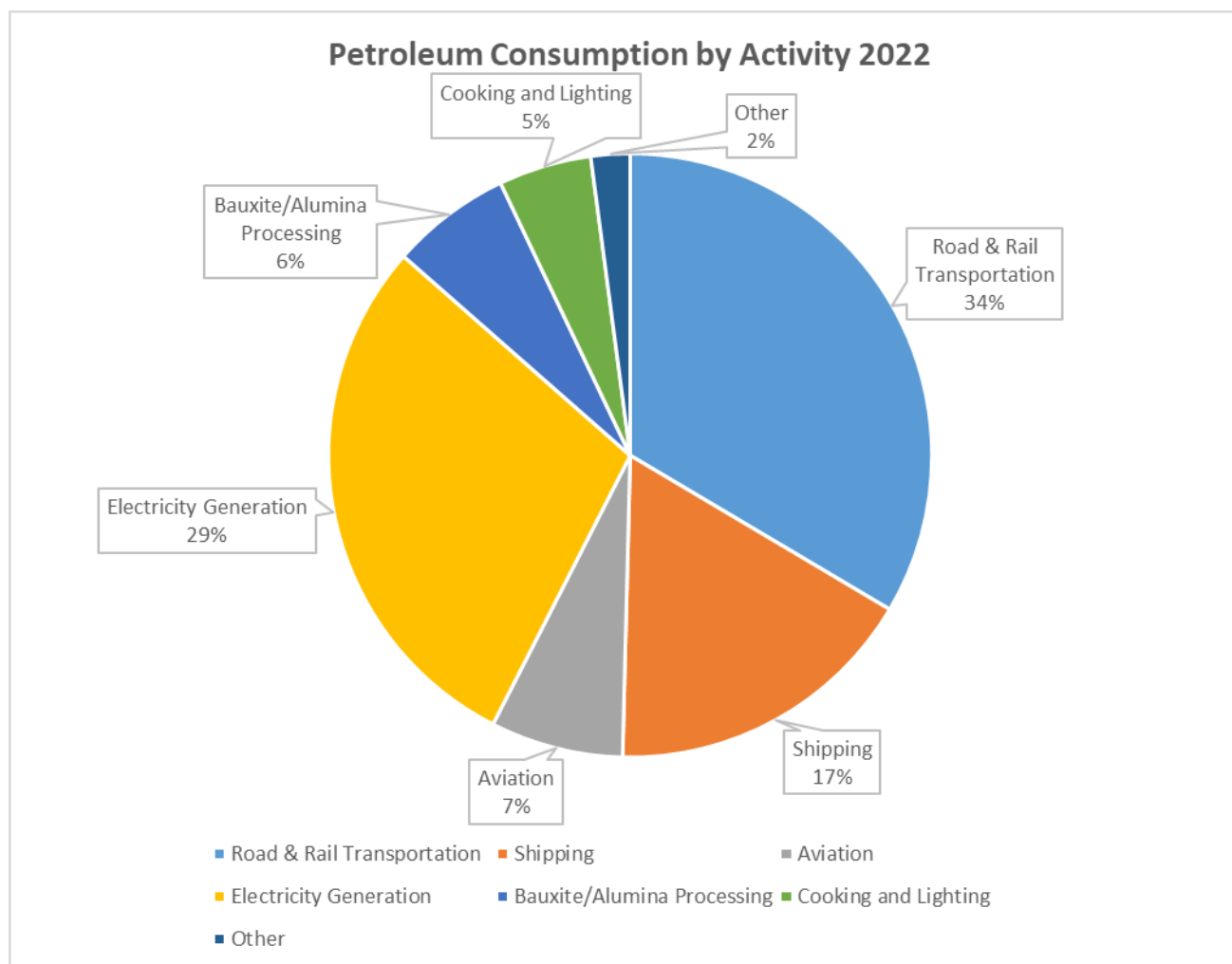
Activities	2018	2019	2020	2021	2022p
Road & Rail Transportation	6,782,276	7,117,870	6,391,072	6,782,464	6,758,929
Shipping	3,026,620	3,870,101	4,049,863	3,138,038	3,404,683
Aviation	1,757,129	1,724,051	612,512	821,528	1,434,965
Cement Manufacturing	34,874	12,483	15,952	13,458	10,916
Electricity Generation	6,149,338	6,400,280	5,963,625	5,969,066	5,837,457
Bauxite/Alumina Processing	3,034,335	2,915,147	2,372,704	1,735,385	1,301,538
Sugar Manufacturing	27,734	20,040	14,223	16,609	16,563
Cooking and Lighting	1,158,915	1,200,400	1,097,230	1,162,067	1,004,733
Other Manufacturing & Misc.	158,721	146,561	82,557	89,275	70,725
TOTAL	22,129,943	23,406,935	20,599,737	19,727,888	19,840,509
Petroleum Refinery	<u>333,307</u>	<u>346,477</u>	<u>317,698</u>	<u>241,819</u>	<u>324,494</u>
GRAND TOTAL	22,463,250	23,753,412	20,917,435	19,969,707	20,165,003

SOURCE: Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company, Independent Private Power Companies, Refinery Statistics, Marketing Companies' Sales

Notes: (1) p - preliminary

(2)* Totals do not include figures for lubricants and asphalts which are non energy products.

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TABLE 3. PETROLEUM CONSUMPTION BY PRODUCTS**Units: Bbls
2018 - 2022**

Product	2018	2019	2020	2021	2022p
Asphalt	154,590	150,188	88,278	71,529	78,196
Auto Diesel Oil	2,036,221	1,965,173	1,419,706	1,564,149	1,808,982
E 10 -90	2,662,007	2,942,654	2,666,610	2,966,966	3,122,304
E10 -87	2,113,120	2,054,049	1,745,896	1,683,657	1,823,944
Heavy Fuel Oil	10,240,400	10,611,417	7,864,989	5,964,589	5,218,264
Kerosene	15,437	19,162	28,081	42,543	53,465
LPG	1,143,478	1,181,238	1,069,149	1,119,524	1,004,733
Lubricants	2,193	1,850	1,476	1,432	2,179
Turbo Fuel	1,757,129	1,723,448	612,512	821,528	1,434,965
Ultra Low Sulphur Diesel	741,504	888,868	806,014	926,021	1,115,650
Natural Gas	1,420,647	1,912,326	4,108,623	4,247,201	4,010,632
Low Sulphur Diesel	-	108,600	278,157	391,711	156,265
Total	22,286,726	23,558,973	20,689,491	19,800,850	19,829,579

Petroleum Consumption by Product 2022

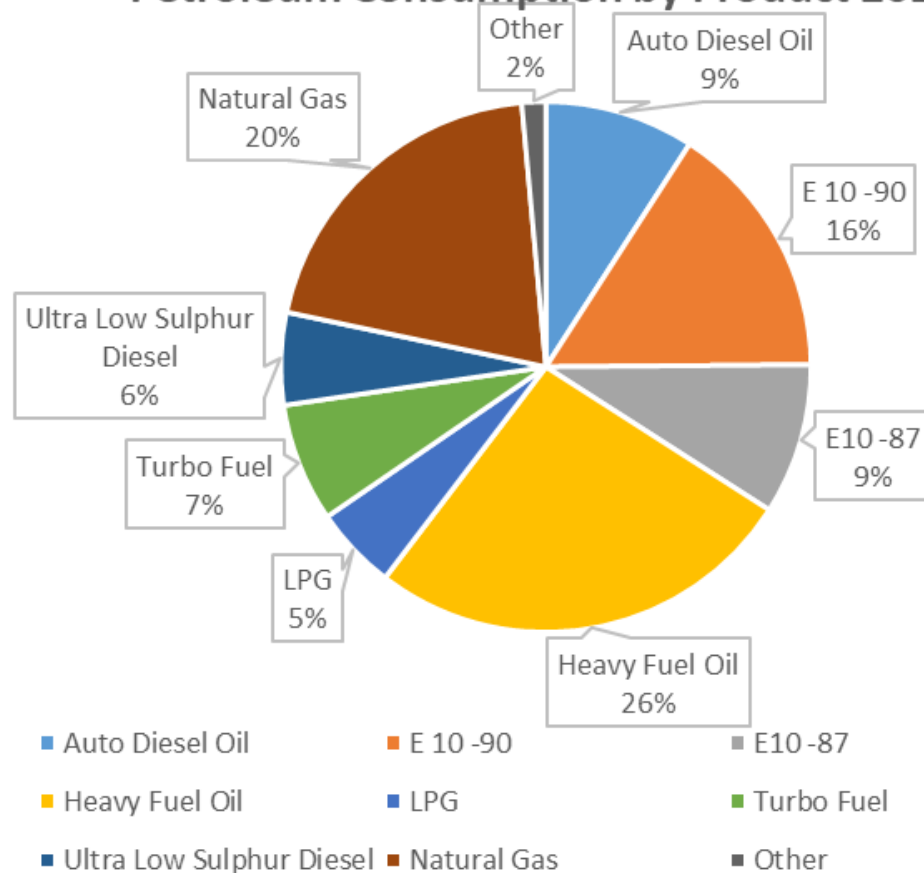


TABLE 4. PETROLEUM PRICES FOR SELECTED PRODUCTS (J\$/LITRE)

Refinery Billing Prices

Year	E10-90	E10-87	AD.O	ULSD
2017	113.47	111.17	107.48	113.17
2018	135.02	132.07	132.95	137.84
2019p	133.31	130.67	135.91	139.53
2020	121.48	117.00	116.96	120.97
2021	144.92	140.42	137.11	141.16
2022	195.17	190.52	208.41	213.75

NOTE: All prices are mean values

Source: Petrojam Limited

**TABLE 5. JAMAICA'S TOTAL EXPORT (BARRELS)
2018 - 2022**

Products	2018	2019	2020	2021	2022p
	Volume	Volume	Volume	Volume	Volume
	(Bbls)	(Bbls)	(Bbls)	(Bbls)	(Bbls)
ADO (bauxite)	138,234	177,238	221,318	170,674	162,098
ADO (Bunker)	38,645	32,594		1,391	10,499
Asphalt	6,736	34,690	10,177	5,616	5,475
HFO	38,901	615,562	405,159	108,190	
HFO Bunker C	1,483,664	1,290,576	309,009	78,236	552,692
HFO(Bauxite)		98,643	201,700	461,496	60,022
LSD (Bunker)	1,738,136	1,714,128	601,559		248,380
Turbo	-	108,064	272,115	820,290	1,492,948
ULSD	111,000	-	1,438		
ULSD (Bauxite)	-	10,648	14,996	19,881	22,412
ULSD (Bunker)	-	52,491	9,742	248,095	113
VLSFO	-	212,541	2,299,662	2,569,522	1,892,136
Grand Total	3,555,316	4,347,175	4,346,875	4,483,391	4,446,775

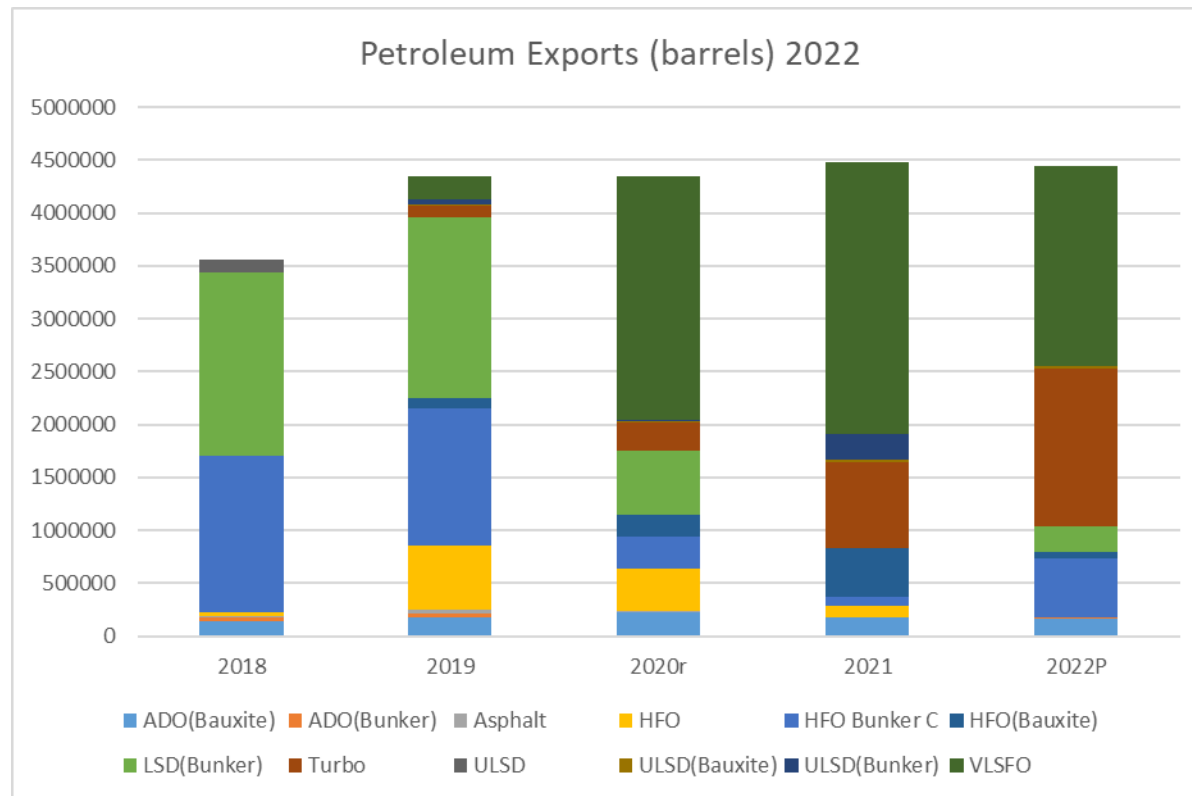
SOURCE: Petrojam Ltd.

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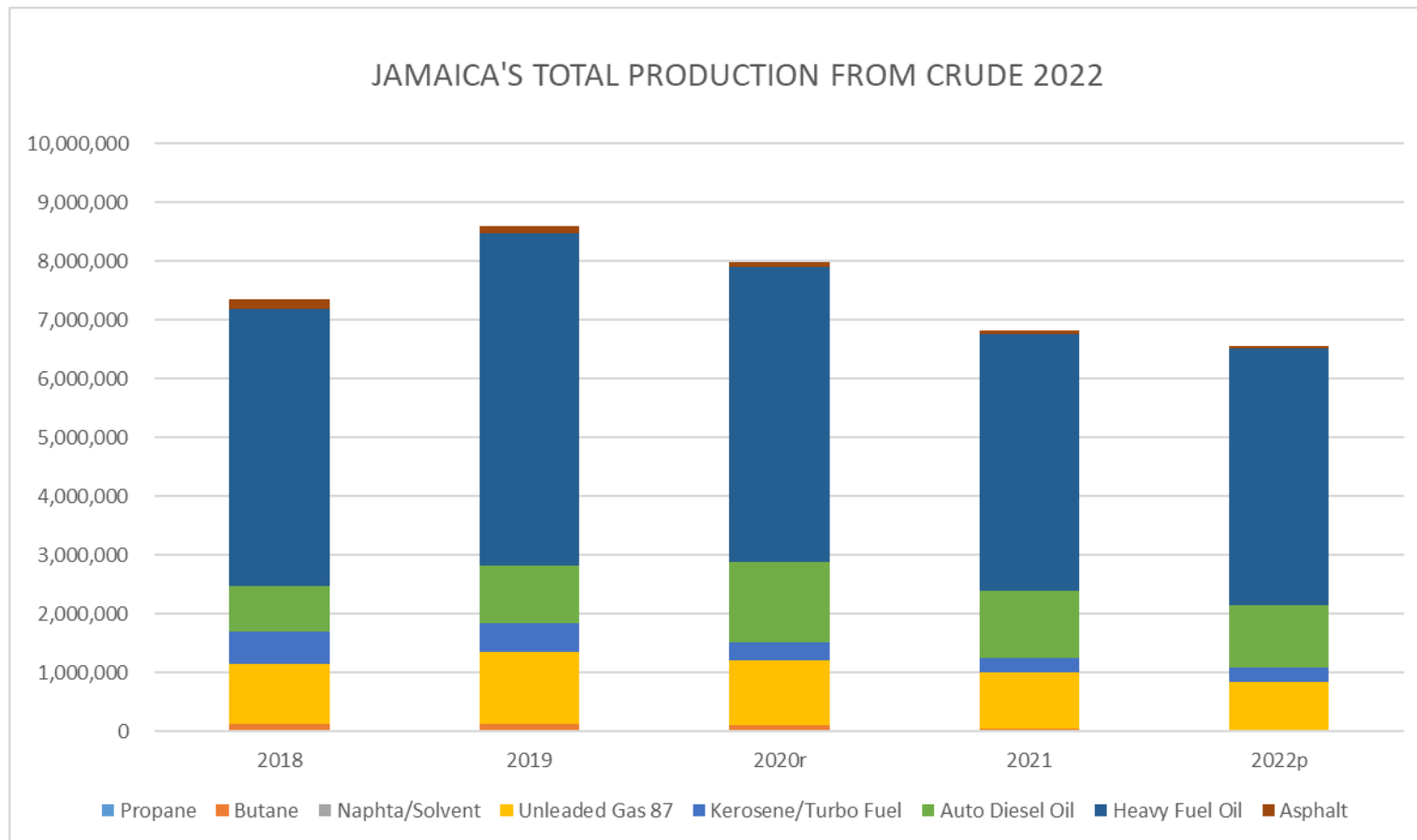


Prepared by the Energy Economics and Planning Unit, Energy Division
 Ministry of Science, Energy and Technology
 May 2023

TABLE 6. JAMAICA'S TOTAL PRODUCTION FROM CRUDE (BARRELS)**2018-2022****Units: Bbls**

PRODUCT	2018	2019	2020r	2021	2022p
Propane	32,875	34,349	28,525	10,817	1,973
Butane	90,214	97,348	77,893	38,284	23,407
Naphta/Solvent	441	304	327	179	113
Unleaded Gas 87	1,018,272	1,223,952	1,112,491	968,912	826,848
Kerosene/Turbo Fuel	566,572	485,811	303,422	241,282	246,055
Auto Diesel Oil	760,217	976,479	1,368,296	1,140,313	1,049,141
Heavy Fuel Oil	4,717,087	5,644,351	5,013,787	4,376,173	4,351,844
Asphalt	155,076	128,613	71,119	70,973	65,617
TOTAL	7,340,754	8,591,207	7,975,860	6,846,933	6,564,998

SOURCE: Petrojam Ltd.**Note:****p - preliminary****r= revised****Prepared by the Energy Division, Ministry of Science, Energy and Technology, 2023**



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Ministry of Science, Energy and Technology
May 2023

**TABLE 7. JAMAICA'S TOTAL ALTERNATIVE ENERGY CONSUMPTION
2018 - 2022**

ENERGY SOURCES	UNIT MEASURE (^{'000} BBLs)	2018	2019	2020r	2021	2022p
Natural Gas	000 MWh	948	1,151	2,481	2,543	2,386
	000 BOE	587	713	1,537	1,576	1,432
Hydropower	000 MWh	179	155	136	139	119
	000 BOE	111	96	84	86	71
Wind	000 MWh	302	272	280	264	272
	000 BOE	187	169	174	163	163
Solar	000 MWh	46	90	124	132	131
	000 BOE	28	56	77	82	79
Coal	000 TONNES	79	85	91	96	87
	000 BOE	398	427	457	483	416
Bagasse - BOE	"	265	325	266	251	230
Total Alternative Energy - BOE	"	1,577	1,785	2,595	2,641	2,391

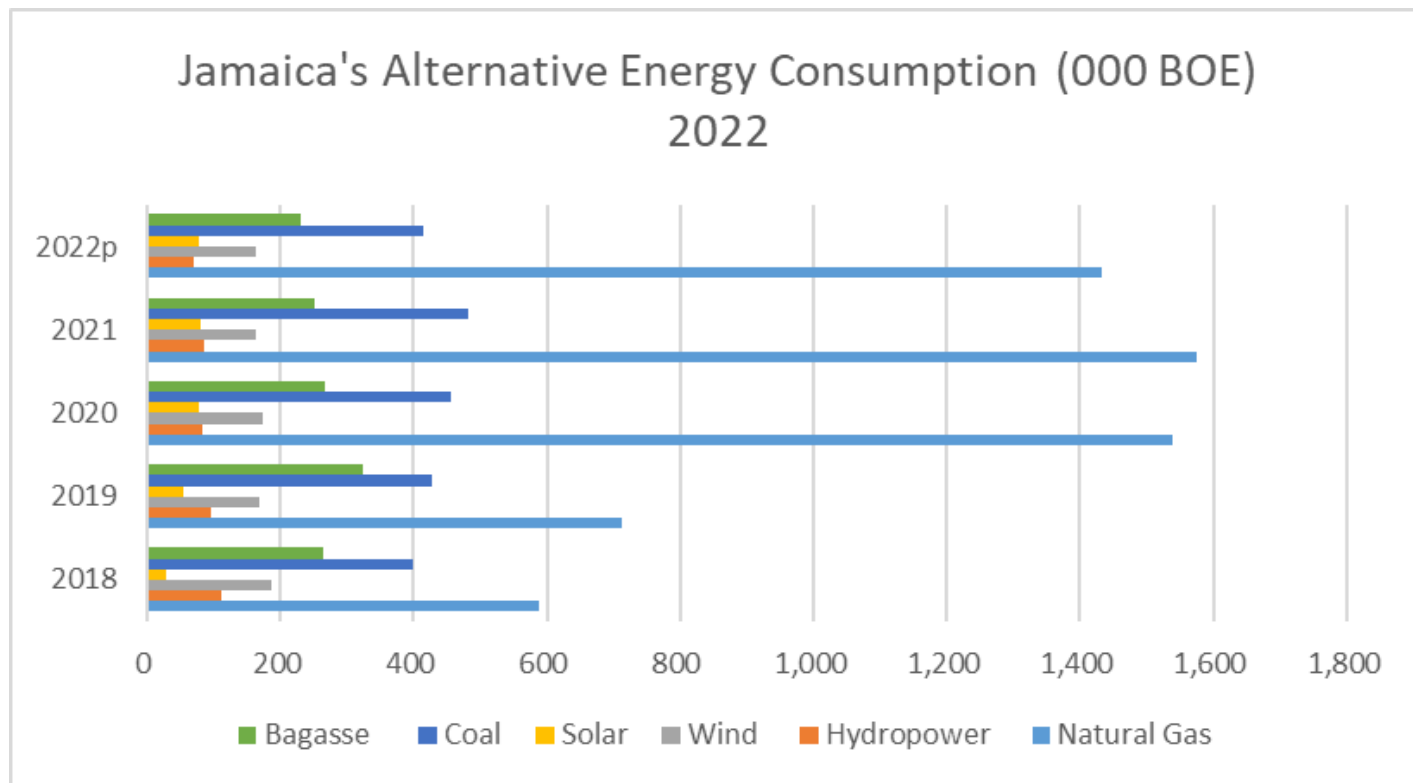
SOURCE: Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company,
Independent Private Power Companies, Refinery Statistics, Marketing Companies' Sales

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Ministry of Science, Energy and Technology
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TABLE 8. JPS ELECTRICITY STATISTICS

ELECTRICITY GENERATION (MWh)					
Category	2018	2019	2020	2021	2022p
Petroleum	2,880,413	2,757,259	1,206,233	1,226,317	1,516,217
Natural Gas	948,092	1,150,761	2,481,186	2,543,490	2,385,955
Hydro	179,154	155,212	135,581	138,432	119,442
Wind	301,950	272,010	280,321	263,808	271,820
Solar	45,893	89,597	124,112	131,908	131,337
Total Net Generation	4,355,502	4,424,839	4,227,433	4,303,955	4,424,771
<i>Losses</i>	1,143,994	1,148,916	1,184,788	1,217,766	1,254,574
Losses as a % of Net Generation	26%	26%	28%	28%	28%

ELECTRICITY SALES (MWh)					
Category	2018	2019	2020	2021	2022p
Rate 10 (Residential)	1,066,226	1,100,738	1,138,658	1,123,328	1,080,875
Rate 20 (General Service)	598,137	615,424	554,019	545,915	589,456
Rate 40 (Power Service)	800,840	811,884	740,678	742,629	775,119
Rate 50 (Large Power)	355,522	371,289	331,857	343,079	361,261
Rate 60 (Street Light)	62,423	59,428	51,546	49,432	41,455
Rate 70 (Largest Power Customers)	293,889	294,237	225,798	281,811	322,033
Other	34,501	22,936	86		
TOTAL	3,211,538	3,275,936	3,042,642	3,086,194	3,170,199

SOURCE: Jamaica Public Service and Independent Power Producers

Note:

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